

HP StorageWorks

C-Series IPS, 14/2 module and MDS 9216i switch support tables



AA - R W 7 Q D - T E

Part number: AA-RW7QD-TE
Fourth edition: January 2006



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C-Series IPS, 14/2 module and MDS 9216i switch

About this document

This document lists the C-Series IP Service (IPS), 14/2 module and MDS 9216i switch support tables.

This section describes the following topics:

- [Intended audience](#)
- [Related documentation](#)

Intended audience

This document is intended for customers who have purchased the IPS module, 14/2 module, or MDS 9216i switch and are planning to use the iSCSI functionality available with these products.

You should have a thorough understanding of HP Fibre Channel storage networking products, including Fibre Channel (FC) switches and storage, and a basic understanding of TCP/IP networking.

Related documentation

Refer to the following Cisco documentation for more information:

- *Cisco MDS 9000 Family Command Reference, Release 2.x*, Part Number: OL-6970-01
- *Cisco MDS 9000 Family Fabric Manager Configuration Guide, Release 2.x*, Part Number: OL-6965-01
- *Cisco MDS 9000 Family Software Configuration Guide, Release 2.x*, Part Number: OL-6973-01

Additional documentation is available at the following HP web site:

<http://h18006.www1.hp.com/storage/saninfrastructure.html>

C-Series IPS, 14/2 module/MDS 9216i switch support tables

Table 1 HP C-Series product line switches

Switch name	SAN-OS version (minimum)	Maximum number of FC ports	Supported IP modules
MDS 9216	2.1(2b), 2.1(1b)	48	IPS-4, IPS-8, or 14/2
MDS 9216A	2.1(2b), 2.1(1b)	48	IPS-4, IPS-8, or 14/2
MDS 9216i	2.1(2b), 2.1(1b)	46	Embedded 2 ports and IPS-4, IPS-8, or 14/2
MDS 9506	2.1(2b), 2.1(1b)	128	IPS-4, IPS-8, and 14/2
MDS 9509	2.1(2b), 2.1(1b)	224	IPS-4, IPS-8, and 14/2

Table 2 Supported HP storage arrays for iSCSI (single path)

Storage array	Firmware version (minimum)	Windows® 2000, 2003 iSCSI Initiators
RA/MA8000, ESA/EMA12000, EMA16000 (HSG80)	ACS 8.8-2	Microsoft® Windows Initiator 2.0 Cisco® iSCSI Initiator 4.2.1
MSA1000	4.48	
MSA1500	4.96	
EVA3000/5000	VCS 3.028	
EVA 4000/6000/8000	VCS 5.030	
VA7100, VA7400	HP20	
VA7110, VA7410	A130	
XP48, XP512	01.19.91.00/00	
XP128, XP1024	21.14.02.00/00	
XP10000, XP12000	50.03.98.00/00	

Table 3 Supported HP storage arrays for iSCSI (multipathing)

Storage array	Firmware version (minimum)	Windows® 2000, 2003 iSCSI Initiators
EVA 4000/6000/8000	VCS 5.030	Microsoft® Windows Initiator 2.0 with included MPIO DSM

Table 4 iSCSI-supported operating systems, network interface cards, iSCSI Initiators

Operating system	Network interface card (NIC)	iSCSI Initiator
Windows 2000 Server™, Advanced Server, Windows 2003 Standard Edition, Enterprise Edition	All NICs supported by HP	Microsoft Windows Initiator 2.0 Cisco iSCSI Initiator 4.2.1
Windows 2003 64 bit	All NICs supported by HP	Microsoft Windows Initiator 2.0
Red Hat® AS/ES 2.1, Red Hat AS/ES/WS 3.0, SUSE ES/SS 8	All NICs supported by HP	SourceForge iSCSI Initiator 3.6.3
HP-UX 11i v1	All NICs supported by HP-UX	HP-UX Software Initiator B.11.11.03e
HP-UX 11i v2	All NICs supported by HP-UX	HP-UX Software Initiator B.11.23.03e
IBM AIX 5.1 IBM AIX 5.2 IBM AIX 5.3	All NICs supported by IBM	Cisco iSCSI Initiator 3.4.5 for AIX 5.1, 5.2 IBM iSCSI Initiator 1.1 for AIX 5.2, 5.3
NetWare 5.1 NetWare 6.1 NetWare 6.5	All NICs supported by HP	Novell iSCSI Initiator 1.1.3
Sun Solaris™ 8 Sun Solaris 9 Sun Solaris 10	All NICs supported by Sun	Cisco iSCSI Initiator 3.3.6 for Solaris 8, 9 Solaris iSCSI Initiator for Solaris 10